

REMARKS

Favorable reconsideration of this application as amended is respectfully requested.

Claims 1-16 and 18-34 have been amended. Claims 1-16 and 18-34 remain active in the application. Claim 17 has been canceled. Claims 1-5 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Doyle et al. (Doyle) in view of Vranish (5,373,245) and Wunderman et al (Wunderman). Claims 6-15 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Doyle in view of Vranish and Wunderman as applied to claims 1-5 and further in view of Resman (6,459,424B1). Claims 16-18, 24, 26, 31 and 32 are rejected under 35 U.S.C. §103(a) as being unpatentable over Vranish (5,373,245). Claims 19 and 27 are rejected under 35 U.S.C. §103(a) as being unpatentable over Vranish in view of Wunderman. Claims 20-23, 25, 28-30 and 34 are rejected under 35 U.S.C. §103(a) as being unpatentable over Vranish in view of Wunderman as applied to claim 19 and further in view of Resman.

Briefly, applicant's invention is a three-dimensional (3-D) interactive display and a method of forming the same where the device is capable of receiving a direct 3-D input to the display screen. A transparent capaciflector (TC) camera is formed on a transparent shield layer on the screen surface. A first dielectric layer is formed on the shield layer. A first wire layer is formed on the first dielectric layer, wires on the first wire layer run in a first direction. A second dielectric layer is formed on the first wire layer. A second wire layer is formed on the second dielectric layer, wires on said second wire layer are orthogonal to wires on the first wire layer. The TC camera is protected by a surface dielectric layer. Wires on the first wire layer and second wire layer are grouped into groups of parallel wires with a turnaround at one end of each group of parallel wires and a sensor pad at the opposite end. Each group of parallel wires includes five silver wires spaced a half a centimeter apart.

Rejection Under 35 U.S.C. § 103(a)

Examiner has rejected claims 1-5 under 35 U.S.C. §103(a) as being unpatentable over Doyle et al. (Doyle) in view of Vranish (5,373,245) and Wunderman et al (Wunderman)

Claims 6-15 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Doyle in view of Vranish and Wunderman as applied to claims 1-5 and further in view of Resman (6,459,424B1).

Claims 16-18, 24, 26, 31 and 32 are rejected under 35 U.S.C. §103(a) as being unpatentable over Vranish (5,373,245).

Claims 19 and 27 are rejected under 35 U.S.C. §103(a) as being unpatentable over Vranish in view of Wunderman.

Claims 20-23, 25, 28-30 and 34 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Vranish in view of Wunderman as applied to claim 19 and further in view of Resman.

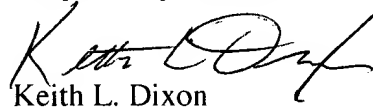
Applicant has amended independent claims 1, 16, 26 and 31 to more clearly define the present invention. Amended claims 1, 16, 26 and 31 now include the limitation of a "direct 3-D input to said display screen." The prior art neither shows nor teaches a direct 3-D input to a display screen. Amended claims 1, 16, 26 and 31 are believed to be allowable over the prior art of record.

In view of the forgoing, claims 1- 16 and 18-34 are believed to be in condition for allowance and such favorable consideration is courteously solicited.

No additional fee is required because the number of independent claims has been reduced and the number of dependent claims has been increased by three.

Should any unresolved issues remain to the allowance of this application, the Examiner is invited to contact Applicant's representative who may be reached at (301) 286-9279.

Respectfully submitted,


Keith L. Dixon
Registration No. 37,983

CERTIFICATE OF MAILING

I certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Mail Stop: RCE
Commissioner for Patents,
P.O. Box 1450
Alexandria, VA 22313-1450
June 16, 2004


Keith L. Dixon